M. A. R. 57 (Rule 116) No. E DLG part B.R
Measurement Book
487701

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... M/S KRIOL .....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :- Improvements to Roads At Mallikarjuna Swamy Temple And Shree Shakthi Bhavana Surrounding Area in ward no 13 Shetty Nally Sub Division						
	Estimate Cost :- Rs. 58.00 Lakhs						
	Technical Sanction.	EE/DS/TS/	15/20	19.20		date. 03/02/2020.	
	Workorder vr	EE/DD/WO/	553/19.20			date. 14.02.2020	
	JOB CODE -	013.20.0000	70				

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item no (1) Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of masonry, c.c. wood work, steel work having TCap and sound & serviceable material after removing unserviceable material and stacking into serviceable notary heaps all lift complete as per specification Qnty — 7.12 m³ Rate 1684.34/m³ — 11992.50						
	Item no (02) Earth work excavation by manual means ready, dry Cy semi Cy Manual means for roads Cy surface work in ordinary soil involving excavation surface loosened Cy order, neatly dressed to the required lines to be						

Scanned by CamScanner

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

487702

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Levelled & Neatly after Breaking of clode complete @ per specified						
			Qty — 409.73 $/m^3$				
			Rate · 137.00 $/m^3$		—		56160.48
Dec 00	(04)						
	Providing and Laying P.C.C of M9 · C.C · 1:3:6 with Cement 220 kg Wet Crushed Hammand down size graded granitechal coarse aggregate @ 0.8 cum and fine aggregate @ 0.4 cum in foundation by Manually mixed using Camp of 10 days Inclusive Cost of all materials Carried from Quarry from nearby						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Scaffolding and centring complete as per specified						
	Qnty as per Emb - 172.60/m³						
	Rate 5509.33/m³ -						951327.01
	Item no 05						
	Providing and laying p.c.c. cement concrete for side drain using M20 nominal Mix concrete for side drain using m20 with opc @ 300kg with 20mm coarse aggregate and fine aggregated well compacted for walls and bottom including all curing complete—						
	Qnty as per emb - 34.49/m³						
	Rate 7189.42/m³ -						247948.65
	Item no 06						
	Providing T.M.T. Steel Reinforcement for R.C.C. work including						

Scanned by CamScanner

M. A. R. 57 (Rule 116) No. E 487703

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Straightening, cutting bending hooking placing in position Capping where required tying wire bending where necessary complete as per design Doing cost of all materials all complete as per specification Only as per Emb - 2.91/mT Rate - 72326.98/mT -						210471.57
Aug 06 (07)	Providing and laying precast R.C.C. cover slabs of 100mm thick for drain in cement concrete 1:1½:3 using graded granite Jelly down and down slope						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Providing and laying Plain cement concrete 1:3 (1 cement : 3 coarse sand) for foundation, basement, retaining walls, columns, beams, slabs, staircase, landing, chajja, lintel, sunshade, fillets, pardi, sills, copings, steps, floors, roofs, pavements, etc. complete as per specification, design and drawing.						
	Rate @ per m³ = 3200.00/m³						
	Rate 1015.00/m³						
	Providing and laying Plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for foundation, basement, retaining walls, columns, beams, slabs, staircase, landing, chajja, lintel, sunshade, fillets, pardi, sills, copings, steps, floors, roofs, pavements, etc. complete as per specification, design and drawing.						
	Rate @ per m³ = 9360/m³						
	Rate 8634.00						

Scanned by CamScanner

M. A. R. 57 (Rule 116) No. E 487704

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 00(09)	Dismantling of concrete construction by manual means using pneumatic tools, brace of power not exceeding 0.02 cum volume and stacking serviceable material at designated location and disposal of unserviceable material as per specification — Rate per cum — 11.12/m3 Amount — 952.94/m3 —					10600.50	
Item 00(10)	Scraping bituminous course down to 75mm thick along with removal of carpet coat over by manual means without damaging the base and						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Stacking of 14 debris making by manual labour Upto approx Emin - 794.01/m³						
	Rate 95.40/Cum -						75748.2
	Bay No (11)						
	construction embankment with material Murram with all lift and Leading, transport to site spading Grading to required slope and compaking to meet required Compaction approx specification making compaking by Roller to 95%. all complete						
	Rate approx Emin - 261.64/m³						
	Rate 344.50/m³ -						90171

Scanned by CamScanner

M. A. R. 57 (Rule 116) No. E 487705

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No (12)						
	Compaction of ungrad ground wd 5 Maximum of 6 passes of 8 to 10 tonne Power Roller during forming in depression or over dry Rocks being cut of all Materials complete as per specification						
	Qty @ per Sqm - 1096.63/m²						
	Late 6.36/m² -						6974.84
	Item NO (13)						
	Prep and Lay spray compacted Coated stone aggregate of grade — wet mix Macadam Specified During per moving in material wd 15						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	water @ OMC in mechanical plant Carriage of mixed materials by tipper to site, laying in uniform layer with paver on sub-base course on well prepared surface and compaction by compactor Quantity as per Estimate - 164.50/cum Rate 200.20/cum						32912.31
	Item No (14) Cement concrete pavement, Construction of Reinforced P.C.C pavement including spreading over a prepared sub base with OPC cement using 40mm down size graded metal coarse, fine aggregate and fine aggregate including cement mortar including spreading, bed concrete, Providing 1:4 concrete using needle vibrator and finishing the surface appropriately Dummy groove cutting etc complete						

M. A. R. 57 (Rule 116) No. E 187706
Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	@ agreed cuing compound all complete —						
	Rate @ per cum — 177.04/cum						
	Rate 5350.02/cum —						947888.74
Item no (15)							
	Removal of unserviceable soil with disposal using excavator loading and disposal but excluding replacement by suitable soil once soil has been found specially approved complete @ per specified cft						
	Rate @ per cum — 409.73 cum						
	Rate 34.98/m³ —						14332.28

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No (12)						
	loading and unloading of Stone Boulders / Hard gravelly clay type at loading point, loading with front end loader, dumping for carrying for Retaining time for haulage and Return trip charges @ for Lead						
	Qnty upon Emb -					69.85/cum	
	Rate 57.00/m³					-	3981.72
	Item No (13)						
	Cost of haulage excluding loading and unloading - Surface load						
	Qnty upon Emb -					479.58/cum	
	Rate 25.60/cum -						12277.31
						Total	30,55428.84
			GST charges			12%	366654.46

Scanned by CamScanner

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

487707

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					KRIDL Charges 4%		122217.15
					Grand Total		35,44297.45
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಕೆಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ಎಸ್.ಎಂ. ರಸ್ತೆ, ರಾಜೇಂದ್ರನಗರ, ಬೆಂಗಳೂರು						ದಿನಾಂಕ 20/06/2020

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8